

**Appendix table 4-9.
Of freshmen intending to major in science and engineering, percentage by race/ethnicity and selected fields: 1971-98**

Field/subfield	1971	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
White																									
All S&E fields																									
Physical sciences	91.7	87.6	87.1	87.9	86.2	85.9	87.4	85.2	85.7	85.9	84.1	84.1	83.1	80.2	81.9	78.9	76.9	78.9	79.1	76.7	76.5	76.7	76.4	76.0	
Biological sciences	94.5	89.5	90.5	91.4	89.9	90.0	89.9	87.9	89.5	89.0	85.1	87.4	87.3	87.7	86.0	86.5	82.5	83.8	82.6	80.3	82.7	81.2	82.2	82.2	
Social sciences	93.6	88.8	89.4	89.0	88.1	88.3	87.8	85.8	85.2	84.2	83.8	82.7	81.8	79.9	80.8	77.8	76.2	78.4	78.6	77.8	76.6	76.4	76.9	76.0	
Engineering	93.2	88.8	88.0	88.0	89.2	86.7	86.1	87.5	85.8	87.3	87.8	84.4	84.1	81.6	80.2	81.1	79.3	76.1	77.2	77.3	73.8	74.3	76.0	75.1	
Asian American																									
Physical sciences	0.8	1.8	1.8	2.2	2.2	2.0	2.5	2.8	2.7	4.4	4.6	4.8	5.2	4.8	5.3	6.0	5.8	5.7	7.9	7.0	6.8	7.9	7.8	7.8	
Biological sciences	1.2	2.3	2.7	2.3	2.8	2.3	3.6	3.5	4.0	6.1	5.4	5.0	5.5	4.4	5.4	5.8	5.9	5.5	8.0	6.8	6.6	6.3	7.2	7.2	
Social sciences	0.7	2.1	2.1	2.3	2.2	2.5	3.2	4.2	3.9	6.6	7.1	7.7	8.6	7.0	7.7	9.2	8.4	8.1	9.8	8.6	8.5	8.5	9.0	9.0	
Engineering	0.5	1.0	1.0	0.9	1.1	1.1	1.6	1.4	1.6	2.5	2.5	2.8	3.4	3.1	3.7	4.2	3.8	4.5	5.0	4.8	4.6	4.9	4.8		
Black																									
Physical sciences	6.6	8.5	8.6	8.2	9.1	9.7	8.6	10.4	9.7	9.5	9.4	8.6	9.6	11.6	10.3	12.1	13.2	11.2	11.4	11.1	11.5	11.7	11.5	11.6	
Biological sciences	3.7	6.3	5.0	4.7	5.8	6.0	5.6	6.9	6.0	5.6	7.7	5.3	5.7	5.3	7.2	5.3	8.6	7.2	9.0	8.7	8.1	9.1	7.9	7.5	
Social sciences	4.7	6.9	6.2	6.3	6.7	7.0	7.1	8.9	7.9	9.5	6.8	6.8	7.6	8.1	9.0	10.2	10.0	8.9	9.2	8.4	10.6	10.3	10.4	10.3	
Engineering	10.3	12.5	12.8	12.7	12.7	12.4	10.1	10.7	11.9	11.4	8.9	10.3	9.7	13.0	10.2	14.1	13.7	11.5	10.9	12.1	11.5	12.8	12.2	13.3	
Hispanic																									
Physical sciences	4.5	6.8	7.3	6.7	7.7	8.7	7.6	9.4	7.6	7.0	8.5	7.4	9.8	10.1	9.4	10.6	13.4	12.2	12.7	11.0	10.9	10.7	10.3	7.7	
Biological sciences	0.6	1.3	1.9	1.4	2.0	1.6	1.3	1.8	1.3	1.2	1.6	2.1	1.9	2.3	2.3	2.5	2.7	4.1	4	4.9	5.1	5.2	5.0	5.6	
Social sciences	0.3	1.3	0.6	1.1	1.5	1.2	1.3	1.0	0.7	1.2	1.0	1.2	1.4	1.7	1.7	1.8	2.1	2.6	2.9	4.0	2.8	3.4	3.8	3.9	
Engineering	0.6	1.9	1.9	2.2	1.9	2.6	2.0	1.8	1.9	1.8	2.2	2.2	2.7	2.2	2.5	2.8	4.2	5.9	4.1	4.5	4.6	4.9	4.9	5.4	
American Indian																									
Physical sciences	0.9	0.9	0.7	0.7	0.8	0.8	0.9	0.9	1.0	0.9	0.9	0.9	1.0	0.9	1.0	1.3	1.7	1.8	2.1	2.1	2.3	3.1	2.1	2.1	
Biological sciences	0.8	1.2	0.5	0.6	1.0	0.6	0.8	0.9	1.3	0.6	0.8	1.1	1.1	0.8	0.9	2.1	1.5	1.5	1.3	2.1	2.2	2.9	3.4	2.2	
Social sciences	1.0	1.0	0.8	0.7	0.7	0.8	0.8	1.0	1.1	1.5	1.2	1.0	1.1	1.0	0.9	1.6	1.8	1.8	2.0	2.3	2.3	2.3	2.2	2.2	
Engineering	0.7	0.7	0.5	0.6	0.7	0.7	0.9	0.9	0.9	0.7	0.7	0.6	0.6	0.9	1.0	1.1	1.5	1.6	1.5	1.7	1.8	1.8	2.3	1.6	

NOTE: Details may not add to totals because students may check more than one race/ethnicity, e.g., white and Hispanic.

SOURCE: University of California at Los Angeles, Higher Education Research Institute, Survey of the American Freshman: National Norms (Los Angeles: 1999), unpublished tabulations.

See page 4-11 in volume 1.

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